

Heaven and Earth Designs

Hey Sis Did You Hear That

Chart No: HAEMAC 127

Chart Design by Michele Sayetta

Artwork by

Mariecat



Finished Design Size 400 W by 303 H (16 W X 12 H inches on 25ct fabric)
(This Chart Contains 88 Colors)

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Congratulations on buying a **Heaven and Earth Designs LLC** Cross Stitch Chart.

We know it will bring you many hours of pleasurable stitching and believe the final result will be something to love and admire forever.

Included with your chart is a clear plastic bag to protect your chart, and a coded thread list for the threads you will need to complete your project. Our charts are designed to use DMC stranded cotton threads and, where appropriate, Kreinik metallic thread.

Chart Instructions:

1. This chart is made up of several numbered pages beginning at the top left corner of the first page. The pages of chart are laid out from left to right in rows e.g. 1 2 3 4, 5 6 7 8. Although each chart is marked with arrows which indicate the centre, we believe you will find it easier to begin from the top left corner of page 1 and follow the chart page by page to the bottom right corner of the last page.
2. We recommend you stitch your design on either 18 count Aida or 25 count Linen. using 2 strands over one in each case.
3. At the top of the thread list you will find our recommendation for the fabric colour. We recommend purchasing a piece of fabric that equates to the design size plus 3 inches [75mm] all around, to allow for framing and matting.
4. Because of the large number of stitches, we have found it to be easier if you stitch one 10X10 grid at a time and then continue on to the next 10 x 10 grid.
5. Stitch each page until it is completed and then move on to the next. On each page there is a number at the top left that indicates the page number. On each corner is a number in parenthesis that indicates the connecting page, unless there is not one.
6. Under International Copyright Laws, you may copy the chart for your own use. We recommend that you use a copy as your working document. You may also wish to enlarge the pages to make the symbols easier to read.

If you have any questions regarding this chart please feel free to contact us.

Heaven and Earth Designs LLC
320-214-7998

<http://www.heavenandearthdesigns.com>



Pattern Name: Hey Sis Did You Hear That-Mariecat

Designed By: Michele Sayetta

































Company: Heaven and Earth Designs LLC











































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Fabric: Linen 25, White
400w X 303h Stitches

Size: 25 Count, 16w X 12h in

Floss Used for Full Stitches:

| Symbol | Strands | Type | Number | Color |
|--|---------|------|--------|--------------------|
|  | 2 | DMC | 032 | Kreinik #4 |
|  | 2 | DMC | 150 | Dusty Rose-UL VYDK |
|  | 2 | DMC | 152 | Shell Pink-MD LT |
|  | 2 | DMC | 300 | Mahogany-VYDK |
|  | 2 | DMC | 301 | Mahogany-MD |
|  | 2 | DMC | 310 | Black |
|  | 2 | DMC | 315 | Antique Mauve-VYDK |
|  | 2 | DMC | 317 | Pewter Gray |
|  | 2 | DMC | 321 | Christmas Red |
|  | 2 | DMC | 347 | Salmon-VYDK |
|  | 2 | DMC | 367 | Pistachio Green-DK |
|  | 2 | DMC | 400 | Mahogany-DK |
|  | 2 | DMC | 413 | Pewter Gray-DK |
|  | 2 | DMC | 434 | Brown-LT |
|  | 2 | DMC | 436 | Tan |
|  | 2 | DMC | 498 | Christmas Red-DK |
|  | 2 | DMC | 502 | Blue Green |
|  | 2 | DMC | 505 | Jade |
|  | 2 | DMC | 613 | Drab Brown-VYLT |
|  | 2 | DMC | 666 | Christmas Red-BRT |
|  | 2 | DMC | 720 | Orange Spice-DK |
|  | 2 | DMC | 729 | Old Gold-MD |
|  | 2 | DMC | 730 | Olive Green-VYDK |
|  | 2 | DMC | 731 | Olive Green-DK |
|  | 2 | DMC | 740 | Tangerine |
|  | 2 | DMC | 741 | Tangerine-MD |
|  | 2 | DMC | 742 | Tangerine-LT |
|  | 2 | DMC | 745 | Yellow-LT Pale |
|  | 2 | DMC | 754 | Peach-LT |
|  | 2 | DMC | 760 | Salmon |
|  | 2 | DMC | 778 | Antique Mauve-VYLT |
|  | 2 | DMC | 780 | Topaz-UL VYDK |





































| Symbol | Strands | Type | Number | Color |
|--|---------|------|--------|--------------------|
|  ⊕ | 2 | DMC | 781 | Topaz-VYDK |
|  ⊞ | 2 | DMC | 782 | Topaz-DK |
|  * | 2 | DMC | 814 | Garnet-DK |
| ) | 2 | DMC | 815 | Garnet-MD |
|  % | 2 | DMC | 817 | Coral Red-VYDK |
|  8 | 2 | DMC | 823 | Navy Blue-DK |
|  5 | 2 | DMC | 842 | Beige Brown-VYLT |
|  ■ | 2 | DMC | 900 | Burnt Orange-DK |
|  √ | 2 | DMC | 918 | Red Copper-DK |
|  ✕ | 2 | DMC | 919 | Red Copper |
|  ♥ | 2 | DMC | 920 | Copper-MD |
|  ▣ | 2 | DMC | 921 | Copper |
|  ∟ | 2 | DMC | 922 | Copper-LT |
|  > | 2 | DMC | 928 | Gray Green-VYLT |
|  ↓ | 2 | DMC | 936 | Avocado Green-VYDK |
|  ^ | 2 | DMC | 938 | Coffee Brown-ULDK |
|  9 | 2 | DMC | 939 | Navy Blue-VYDK |
|  ♦ | 2 | DMC | 946 | Burnt Orange-MD |
|  ⊙ | 2 | DMC | 947 | Burnt Orange |
|  ↑ | 2 | DMC | 951 | Tawny-LT |
|  ⊗ | 2 | DMC | 961 | Dusty Rose-DK |
|  ♣ | 2 | DMC | 966 | Baby Green-MD |
|  ♣ | 2 | DMC | 970 | Pumpkin-LT |
|  ● | 2 | DMC | 972 | Canary-DK |
|  c | 2 | DMC | 976 | Golden Brown-MD |
|  / | 2 | DMC | 3031 | Mocha Brown-VYDK |
|  4 | 2 | DMC | 3041 | Antique Violet-MD |
|  v | 2 | DMC | 3072 | Beaver Gray-VYLT |
|  # | 2 | DMC | 3328 | Salmon-DK |
|  ♠ | 2 | DMC | 3350 | Dusty Rose-ULDK |
|  × | 2 | DMC | 3362 | Pine Green-DK |
|  ▲ | 2 | DMC | 3371 | Black Brown |
|  ⚙ | 2 | DMC | 3713 | Salmon-VYLT |
|  0 | 2 | DMC | 3722 | Shell Pink-MD |
|  2 | 2 | DMC | 3727 | Antique Mauve-LT |
|  ☆ | 2 | DMC | 3750 | Antique Blue-VYDK |
|  7 | 2 | DMC | 3756 | Baby Blue-ULVYLT |
|  ∙ | 2 | DMC | 3765 | Peacock Blue-VYDK |
|  e | 2 | DMC | 3771 | Terra Cotta-ULVYLT |
|  ↓ | 2 | DMC | 3776 | Mahogany-LT |
|  ▼ | 2 | DMC | 3778 | Terra Cotta-LT |
|  □ | 2 | DMC | 3779 | Terra Cotta-ULVYLT |











































| Symbol | Strands | Type | Number | Color |
|---|---------|------|--------|-------------------|
|  \triangle | 2 | DMC | 3781 | Mocha Brown-DK |
|  \odot | 2 | DMC | 3823 | Yellow-UL Pale |
|  \blacklozenge | 2 | DMC | 3827 | Golden Brown-Pale |
|  \blacktriangle | 2 | DMC | 3830 | Terra Cotta-MD |
|  \uparrow | 2 | DMC | 3831 | Raspberry-DK |
|  a | 2 | DMC | 3853 | Autumn Gold-DK |
|  \emptyset | 2 | DMC | 3854 | Autumn Gold-MD |
|  \rightarrow | 2 | DMC | 3856 | Mahogany-UL VY LT |
|  $\#$ | 2 | DMC | 3857 | Rosewood-DK |
|  \ddagger | 2 | DMC | 3858 | Rosewood-MD |
|  \backslash | 2 | DMC | 3860 | Cocoa |
|  C | 2 | DMC | 3861 | Cocoa-LT |
|  \odot | 2 | DMC | 3862 | Mocha Beige-DK |
|  C | 2 | DMC | 3863 | Mocha Beige-MD |











Usage Summary

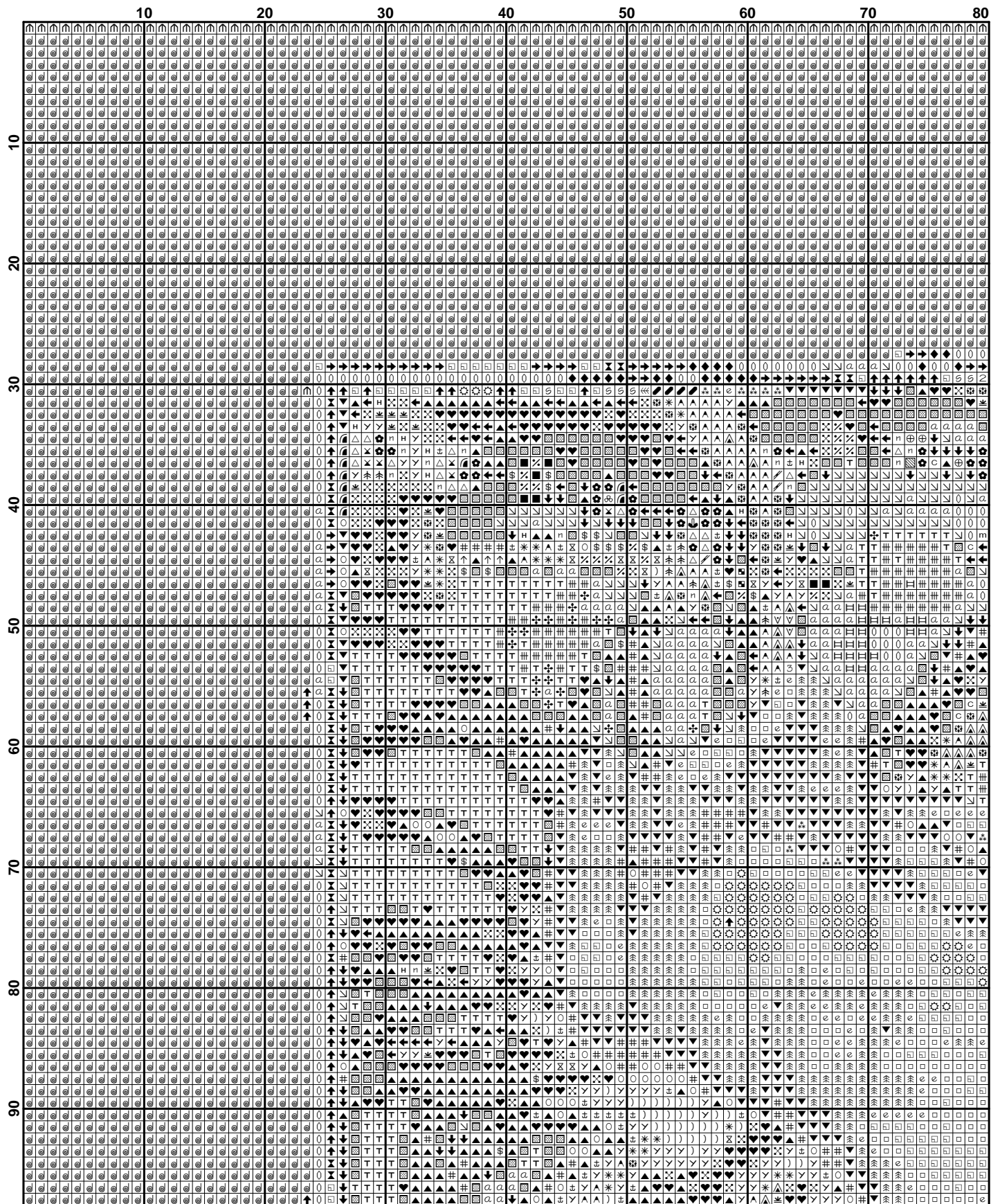
Strands Per Skein: 6

Skein Length: 313.0 in

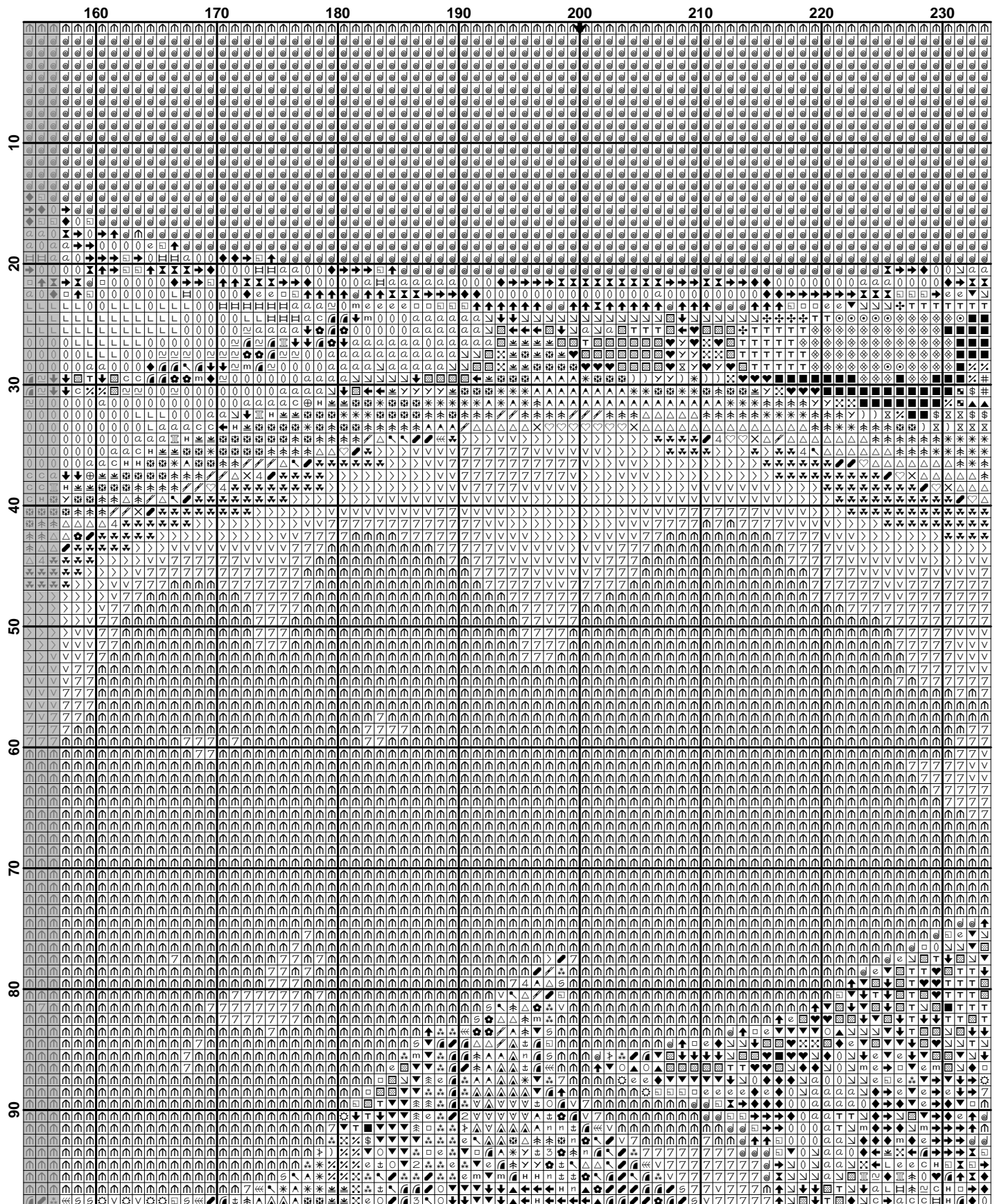
| Type | Number | Full | Half | Quarter | Petite | Back(in) | Str(in) | Spec(in) | French | Bead | Skein Est. |
|--|--------|------|------|---------|--------|----------|---------|----------|--------|-------|------------|
|  DMC 032 | 13068 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 4.000 | |
|  DMC 150 | 620 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 152 | 1154 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 300 | 4859 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 2.000 | |
|  DMC 301 | 550 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 310 | 2582 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 315 | 640 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 317 | 663 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 321 | 1129 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 347 | 529 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 367 | 160 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 400 | 2031 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 413 | 1022 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 434 | 330 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 436 | 395 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 498 | 556 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 502 | 351 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 505 | 126 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 613 | 197 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 666 | 1344 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 720 | 3049 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 729 | 248 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 730 | 216 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 731 | 44 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 740 | 832 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 741 | 862 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 742 | 570 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 745 | 330 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 754 | 1019 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 760 | 626 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 778 | 449 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 780 | 300 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 781 | 301 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 782 | 437 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 814 | 2434 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 815 | 899 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |

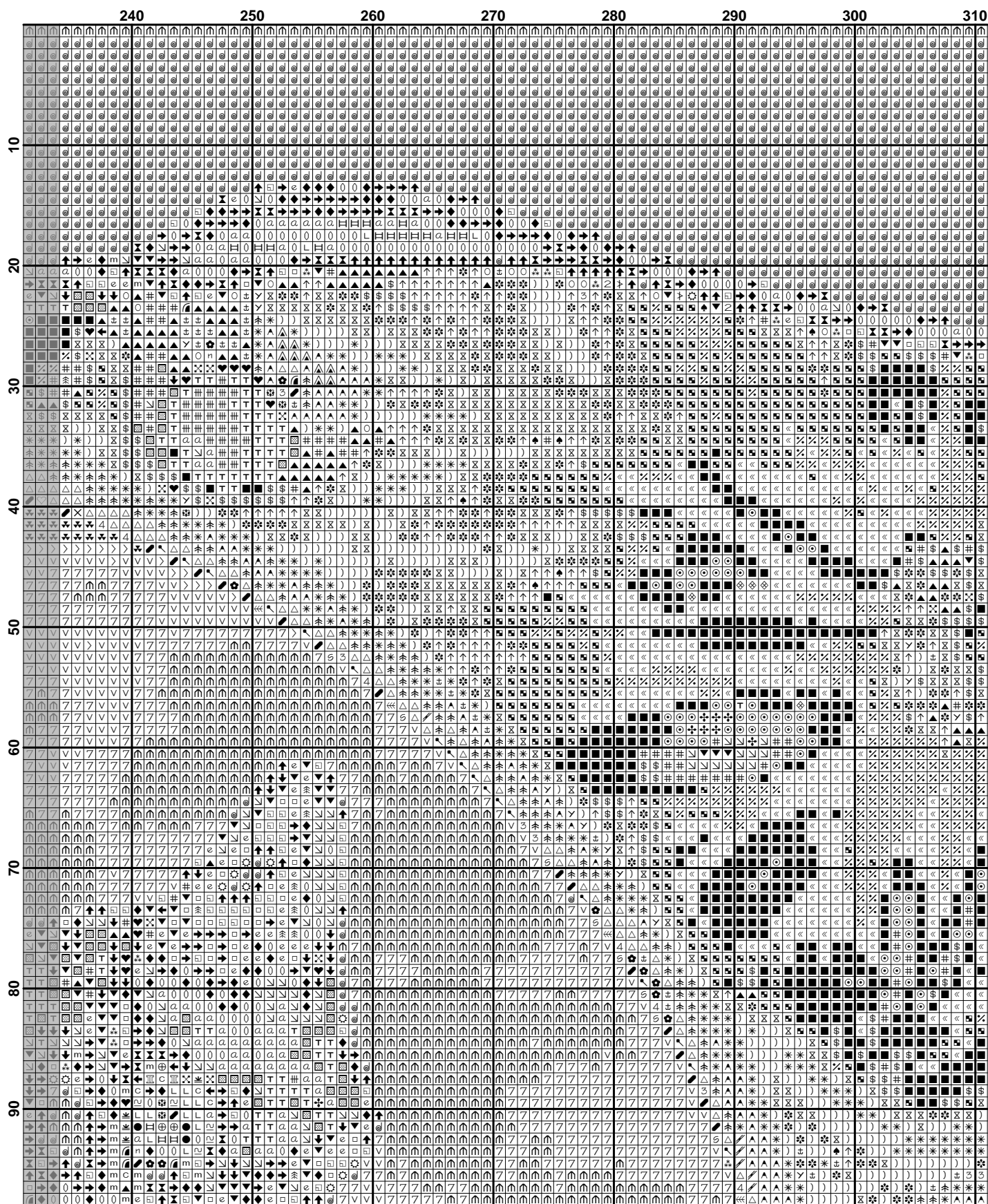
| Type | Number | Full | Half | Quarter | Petite | Back(in) | Str(in) | Spec(in) | French | Bead | Skein Est. |
|---|--------|-------|------|---------|--------|----------|---------|----------|--------|------|------------|
|  DMC 817 | 817 | 2747 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 823 | 823 | 702 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 842 | 842 | 354 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 900 | 900 | 1214 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 918 | 918 | 598 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 919 | 919 | 1381 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 920 | 920 | 1481 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 921 | 921 | 2073 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 922 | 922 | 1131 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 928 | 928 | 401 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 936 | 936 | 204 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 938 | 938 | 2986 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 939 | 939 | 381 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 946 | 946 | 113 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 947 | 947 | 118 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 951 | 951 | 1188 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 961 | 961 | 81 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 966 | 966 | 357 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 970 | 970 | 182 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 972 | 972 | 201 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 976 | 976 | 634 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3031 | 3031 | 369 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3041 | 3041 | 443 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3072 | 3072 | 779 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3328 | 3328 | 589 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3350 | 3350 | 93 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3362 | 3362 | 101 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3371 | 3371 | 2687 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3713 | 3713 | 730 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3722 | 3722 | 887 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3727 | 3727 | 260 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3750 | 3750 | 487 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3756 | 3756 | 2281 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3765 | 3765 | 93 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3771 | 3771 | 621 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3776 | 3776 | 940 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3778 | 3778 | 1257 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3779 | 3779 | 671 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3781 | 3781 | 824 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3823 | 3823 | 30384 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 9.000 |
|  DMC 3827 | 3827 | 818 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |
|  DMC 3830 | 3830 | 1570 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 |

| Type | Number | Full | Half | Quarter | Petite | Back(in) | Str(in) | Spec(in) | French | Bead | Skein Est. |
|---|--------|------|------|---------|--------|----------|---------|----------|--------|-------|------------|
|  DMC 3831 | 348 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 3853 | 1677 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 3854 | 1764 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 3856 | 915 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 3857 | 1007 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 3858 | 925 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 3860 | 778 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 3861 | 1502 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 3862 | 702 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |
|  DMC 3863 | 1249 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 1.000 | |









| | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 10 | | | | | | | | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |

| | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
|-----|----|----|----|----|----|----|----|----|
| 100 | | | | | | | | |
| 110 | | | | | | | | |
| 120 | | | | | | | | |
| 130 | | | | | | | | |
| 140 | | | | | | | | |
| 150 | | | | | | | | |
| 160 | | | | | | | | |
| 170 | | | | | | | | |
| 180 | | | | | | | | |
| 190 | | | | | | | | |

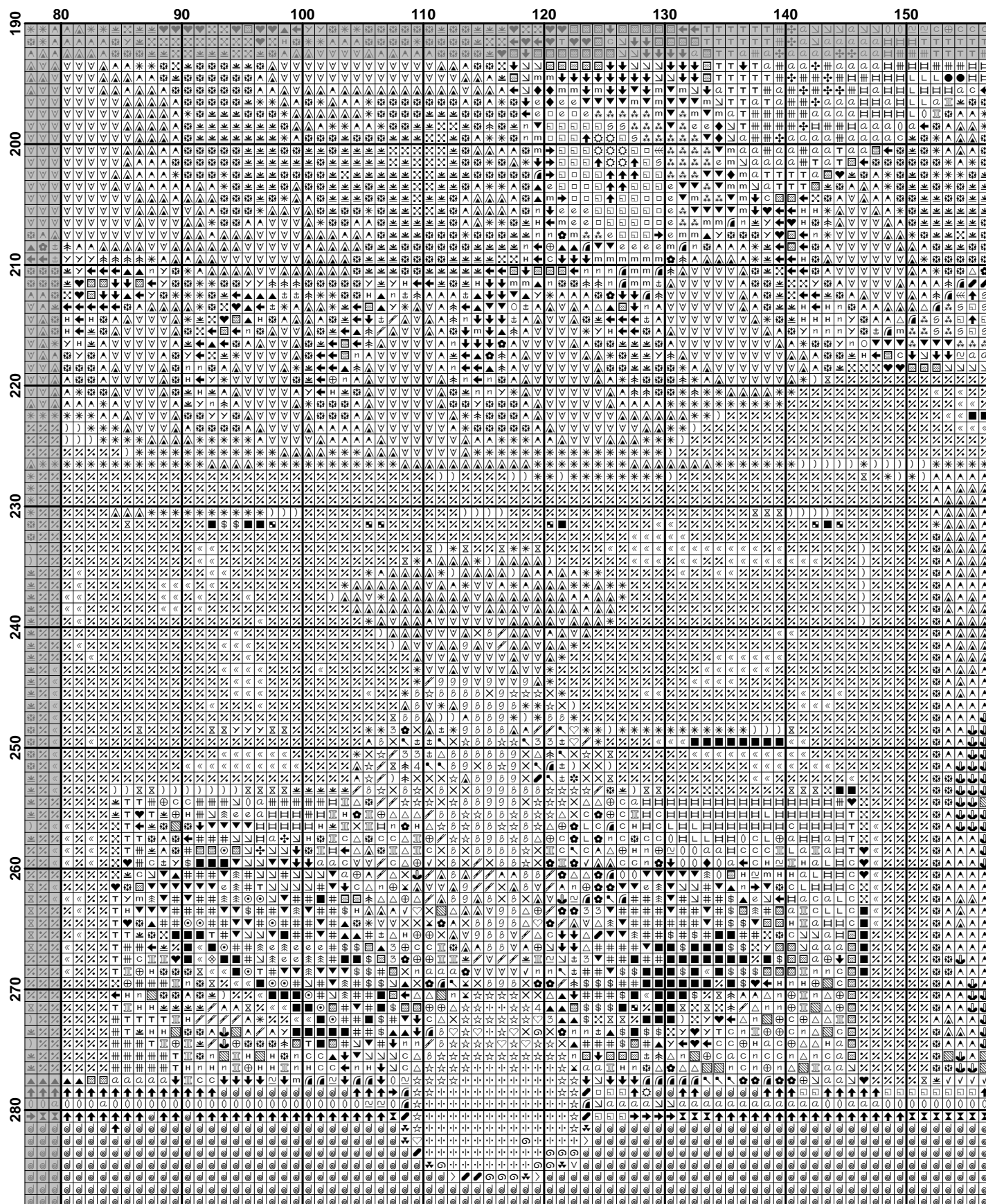
| | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
|-----|----|----|-----|-----|-----|-----|-----|-----|
| 100 | □ | □ | □ | □ | □ | □ | □ | □ |
| 110 | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| 120 | ● | ● | ● | ● | ● | ● | ● | ● |
| 130 | △ | △ | △ | △ | △ | △ | △ | △ |
| 140 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 150 | × | × | × | × | × | × | × | × |
| 160 | + | + | + | + | + | + | + | + |
| 170 | - | - | - | - | - | - | - | - |
| 180 | = | = | = | = | = | = | = | = |
| 190 | % | % | % | % | % | % | % | % |

| | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100 | | | | | | | | |
| 110 | | | | | | | | |
| 120 | | | | | | | | |
| 130 | | | | | | | | |
| 140 | | | | | | | | |
| 150 | | | | | | | | |
| 160 | | | | | | | | |
| 170 | | | | | | | | |
| 180 | | | | | | | | |
| 190 | | | | | | | | |

| | 240 | | | | | | | | | | 250 | | | | | | | | | | 260 | | | | | | | | | | 270 | | | | | | | | | | 280 | | | | | | | | | | 290 | | | | | | | | | | 300 | | | | | | | | | | 310 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100 | ... | ... | ... | ... | ... | ... | ... | ... |
| 110 | ... | ... | ... | ... | ... | ... | ... | ... |
| 120 | ... | ... | ... | ... | ... | ... | ... | ... |
| 130 | ... | ... | ... | ... | ... | ... | ... | ... |
| 140 | ... | ... | ... | ... | ... | ... | ... | ... |
| 150 | ... | ... | ... | ... | ... | ... | ... | ... |
| 160 | ... | ... | ... | ... | ... | ... | ... | ... |
| 170 | ... | ... | ... | ... | ... | ... | ... | ... |
| 180 | ... | ... | ... | ... | ... | ... | ... | ... |
| 190 | ... | ... | ... | ... | ... | ... | ... | ... |





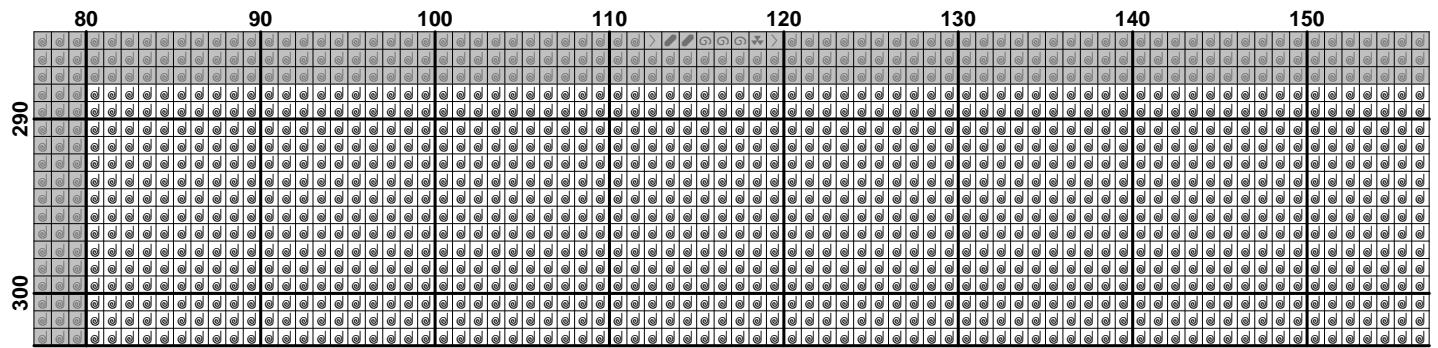
| | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 190 | | | | | | | | |
| 200 | | | | | | | | |
| 210 | | | | | | | | |
| 220 | | | | | | | | |
| 230 | | | | | | | | |
| 240 | | | | | | | | |
| 250 | | | | | | | | |
| 260 | | | | | | | | |
| 270 | | | | | | | | |
| 280 | | | | | | | | |

| | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 190 | | | | | | | | |
| 200 | | | | | | | | |
| 210 | | | | | | | | |
| 220 | | | | | | | | |
| 230 | | | | | | | | |
| 240 | | | | | | | | |
| 250 | | | | | | | | |
| 260 | | | | | | | | |
| 270 | | | | | | | | |
| 280 | | | | | | | | |

$$(23) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (24)$$

| | | |
|-----|-----|-----|
| 190 | 390 | 400 |
| 200 | | |
| 210 | | |
| 220 | | |
| 230 | | |
| 240 | | |
| 250 | | |
| 260 | | |
| 270 | | |
| 280 | | |

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